

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/652,791A
Source: IFW/6
Date Processed by STIC: 5/24/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/652,791A

DATE: 05/24/2006

TIME: 09:53:50

Input Set : F:\03-332-B 400 126 Sequence Listing .txt
 Output Set: N:\CRF4\05242006\J652791A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4 McSwiggen, James
 5 Chowrira, Bharat
 7 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Platelet-Derived
 8 Endothelial Cell Growth Factor (ECGF1) Gene Expression Using
 9 Short Interfering Nucleic Acid (siNA)
 11 <130> FILE REFERENCE: 400/126 (MBHB 03-332-B)
 13 <140> CURRENT APPLICATION NUMBER: US 10/652,791A
 14 <141> CURRENT FILING DATE: 2003-08-29
 16 <150> PRIOR APPLICATION NUMBER: US 10/422,704
 17 <151> PRIOR FILING DATE: 2003-04-24
 19 <150> PRIOR APPLICATION NUMBER: US 10/417,012
 20 <151> PRIOR FILING DATE: 2003-04-16
 22 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05346
 23 <151> PRIOR FILING DATE: 2003-02-20
 25 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05028
 26 <151> PRIOR FILING DATE: 2003-02-20
 28 <150> PRIOR APPLICATION NUMBER: US 60/358,580
 29 <151> PRIOR FILING DATE: 2002-02-20
 31 <150> PRIOR APPLICATION NUMBER: US 60/363,124
 32 <151> PRIOR FILING DATE: 2002-03-11
 34 <150> PRIOR APPLICATION NUMBER: US 60/386,782
 35 <151> PRIOR FILING DATE: 2002-06-06
 37 <150> PRIOR APPLICATION NUMBER: US 60/406,784
 38 <151> PRIOR FILING DATE: 2002-08-29
 40 <150> PRIOR APPLICATION NUMBER: US 60/408,378
 41 <151> PRIOR FILING DATE: 2002-09-05
 43 <150> PRIOR APPLICATION NUMBER: US 60/409,293
 44 <151> PRIOR FILING DATE: 2002-09-09
 46 <150> PRIOR APPLICATION NUMBER: US 60/440,129
 47 <151> PRIOR FILING DATE: 2003-01-15
 49 <160> NUMBER OF SEQ ID NOS: 225
 51 <170> SOFTWARE: PatentIn version 3.2
 53 <210> SEQ ID NO: 1
 54 <211> LENGTH: 19
 55 <212> TYPE: RNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
 sense region
 61 <400> SEQUENCE: 1
 62 cccggcgccg gcaguggac
 65 <210> SEQ ID NO: 2
 66 <211> LENGTH: 19

10-12
JY

**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING DATE: 05/24/2006
 PATENT APPLICATION: US/10/652,791A TIME: 09:53:50

Input Set : F:\03-332-B 400 126 Sequence Listing .txt
 Output Set: N:\CRF4\05242006\J652791A.raw

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67 <212> TYPE: RNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
73 <400> SEQUENCE: 2
74 cgcugugcgc gaaaccugc 19
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78 <211> LENGTH: 19
79 <212> TYPE: RNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
85 <400> SEQUENCE: 3
86 gaacccuacg gucccgacc 19
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 19
91 <212> TYPE: RNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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97 <400> SEQUENCE: 4
98 ccgcgggcga ggccggua 19
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 19
103 <212> TYPE: RNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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109 <400> SEQUENCE: 5
110 accugggcug ggaucggcga 19
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 19
115 <212> TYPE: RNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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121 <400> SEQUENCE: 6
122 agcaagcggg cgaggcgag 19
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 19
127 <212> TYPE: RNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
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133 <400> SEQUENCE: 7
134 gcgcccuauag caggccccgg 19
137 <210> SEQ ID NO: 8

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138 <211> LENGTH: 19
139 <212> TYPE: RNA

RAW SEQUENCE LISTING DATE: 05/24/2006
 PATENT APPLICATION: US/10/652,791A TIME: 09:53:50

Input Set : F:\03-332-B 400 126 Sequence Listing .txt
 Output Set: N:\CRF4\05242006\J652791A.raw

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140 <213> ORGANISM: Artificial Sequence
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143 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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146 gagcgauggc agccuugau
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 19
151 <212> TYPE: RNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
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157 <400> SEQUENCE: 9
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161 <210> SEQ ID NO: 10
162 <211> LENGTH: 19
163 <212> TYPE: RNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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170 ccccacccgc gccugugua
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 19
175 <212> TYPE: RNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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182 accuucuccgg ggaaggagg
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 19
187 <212> TYPE: RNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
193 <400> SEQUENCE: 12
194 gccaggacu ucccgaccc
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 19
199 <212> TYPE: RNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
205 <400> SEQUENCE: 13
206 cuucgccaga gccccaaagca
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 19

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211 <212> TYPE: RNA
212 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 05/24/2006
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Input Set : F:\03-332-B 400 126 Sequence Listing .txt
Output Set: N:\CRF4\05242006\J652791A.raw

214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
217 <400> SEQUENCE: 14
218 agcucccgga gcugauccg 19
221 <210> SEQ ID NO: 15
222 <211> LENGTH: 19
223 <212> TYPE: RNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
229 <400> SEQUENCE: 15
230 gcaugaagcg agacggagg 19
233 <210> SEQ ID NO: 16
234 <211> LENGTH: 19
235 <212> TYPE: RNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
241 <400> SEQUENCE: 16
242 gccgccugag cgaagcgga 19
245 <210> SEQ ID NO: 17
246 <211> LENGTH: 19
247 <212> TYPE: RNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
253 <400> SEQUENCE: 17
254 acaucaggggg cuucggggc 19
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 19
259 <212> TYPE: RNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
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266 ccgcuguggu gaaugggg 19
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 19
271 <212> TYPE: RNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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277 <400> SEQUENCE: 19
278 gcgcgccagg cgcacagau 19
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 19
283 <212> TYPE: RNA

284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 05/24/2006
PATENT APPLICATION: US/10/652,791A TIME: 09:53:50

Input Set : F:\03-332-B 400 126 Sequence Listing .txt
Output Set: N:\CRF4\05242006\J652791A.raw

287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

289 <400> SEQUENCE: 20
290 ucggggccau gcugaggc 19
293 <210> SEQ ID NO: 21
294 <211> LENGTH: 19
295 <212> TYPE: RNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
301 <400> SEQUENCE: 21
302 ccauccgacu ucggggcau 19
305 <210> SEQ ID NO: 22
306 <211> LENGTH: 19
307 <212> TYPE: RNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
313 <400> SEQUENCE: 22
314 uggaucugga ggagaccuc 19
317 <210> SEQ ID NO: 23
318 <211> LENGTH: 19
319 <212> TYPE: RNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
325 <400> SEQUENCE: 23
326 cgugugcugac ccagggccu 19
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 19
331 <212> TYPE: RNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
337 <400> SEQUENCE: 24
338 uggcucaguc gggacagca 19
341 <210> SEQ ID NO: 25
342 <211> LENGTH: 19
343 <212> TYPE: RNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
349 <400> SEQUENCE: 25
350 agcuggagug gccagaggc 19
353 <210> SEQ ID NO: 26
354 <211> LENGTH: 19
355 <212> TYPE: RNA
356 <213> ORGANISM: Artificial Sequence

358 <220> FEATURE:
359 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region

<210> 183
<211> 21
<212> RNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: siNA sense region

<220>
<221> misc_feature
<222> (20)..(21)
<223> n stands for thymidine

<400> 183

accuuggaua agcuggagun n

t's not allowed in an RNA
sequence, even if represented
by "N"

21

For a combined DNA/RNA sequence,
use <212> DNA and explain
in <220>-<223> section

The above error appears in subsequent
sequences

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/24/2006
PATENT APPLICATION: US/10/652,791A TIME: 09:53:51

Input Set : F:\03-332-B 400 126 Sequence Listing .txt
Output Set: N:\CRF4\05242006\J652791A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:183; N Pos. 20,21
Seq#:184; N Pos. 20,21
Seq#:185; N Pos. 20,21
Seq#:186; N Pos. 20,21
Seq#:187; N Pos. 20,21
Seq#:188; N Pos. 20,21
Seq#:189; N Pos. 20,21
Seq#:190; N Pos. 20,21
Seq#:191; N Pos. 20,21
Seq#:192; N Pos. 20,21
Seq#:193; N Pos. 20,21
Seq#:194; N Pos. 20,21
Seq#:195; N Pos. 20,21
Seq#:196; N Pos. 20,21
Seq#:197; N Pos. 20,21
Seq#:198; N Pos. 20,21
Seq#:199; N Pos. 20,21
Seq#:200; N Pos. 20,21
Seq#:201; N Pos. 20,21
Seq#:202; N Pos. 20,21
Seq#:203; N Pos. 20,21
Seq#:204; N Pos. 20,21
Seq#:205; N Pos. 20,21
Seq#:206; N Pos. 20,21
Seq#:207; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:208; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:209; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:210; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:211; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:212; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:213; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:214; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:215; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:216; N Pos. 20,21
Seq#:217; N Pos. 20,21
Seq#:218; N Pos. 20,21
Seq#:219; N Pos. 20,21
Seq#:220; N Pos. 20,21
Seq#:221; N Pos. 20,21
Seq#:222; N Pos. 20,21
Seq#:223; N Pos. 20,21
Seq#:224; N Pos. 20,21

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/24/2006
PATENT APPLICATION: US/10/652,791A TIME: 09:53:51

Input Set : F:\03-332-B 400 126 Sequence Listing .txt
Output Set: N:\CRF4\05242006\J652791A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:209; Line(s) 3359
Seq#:210; Line(s) 3381
Seq#:211; Line(s) 3413
Seq#:212; Line(s) 3445
Seq#:213; Line(s) 3477
Seq#:214; Line(s) 3510
Seq#:215; Line(s) 3542